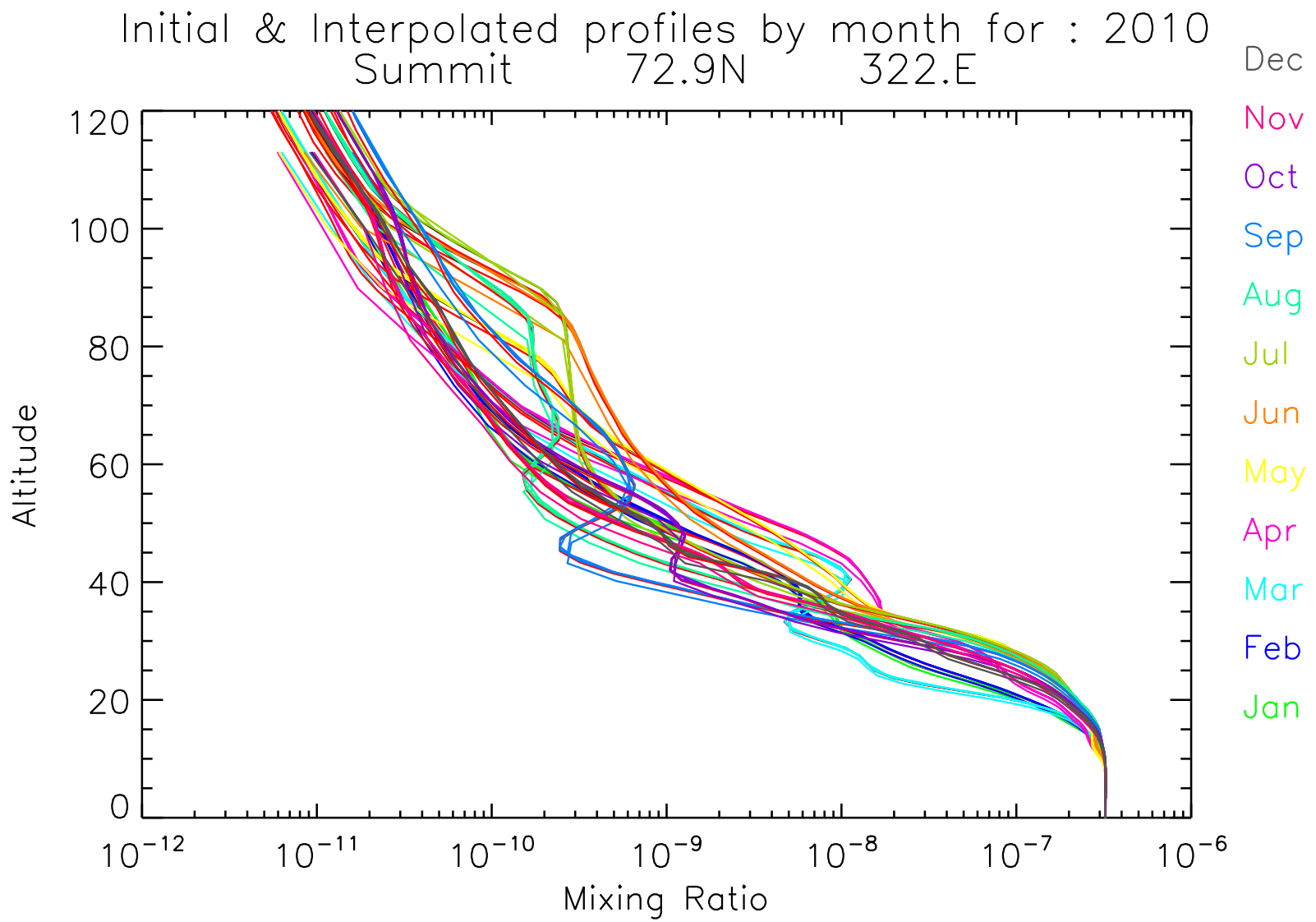
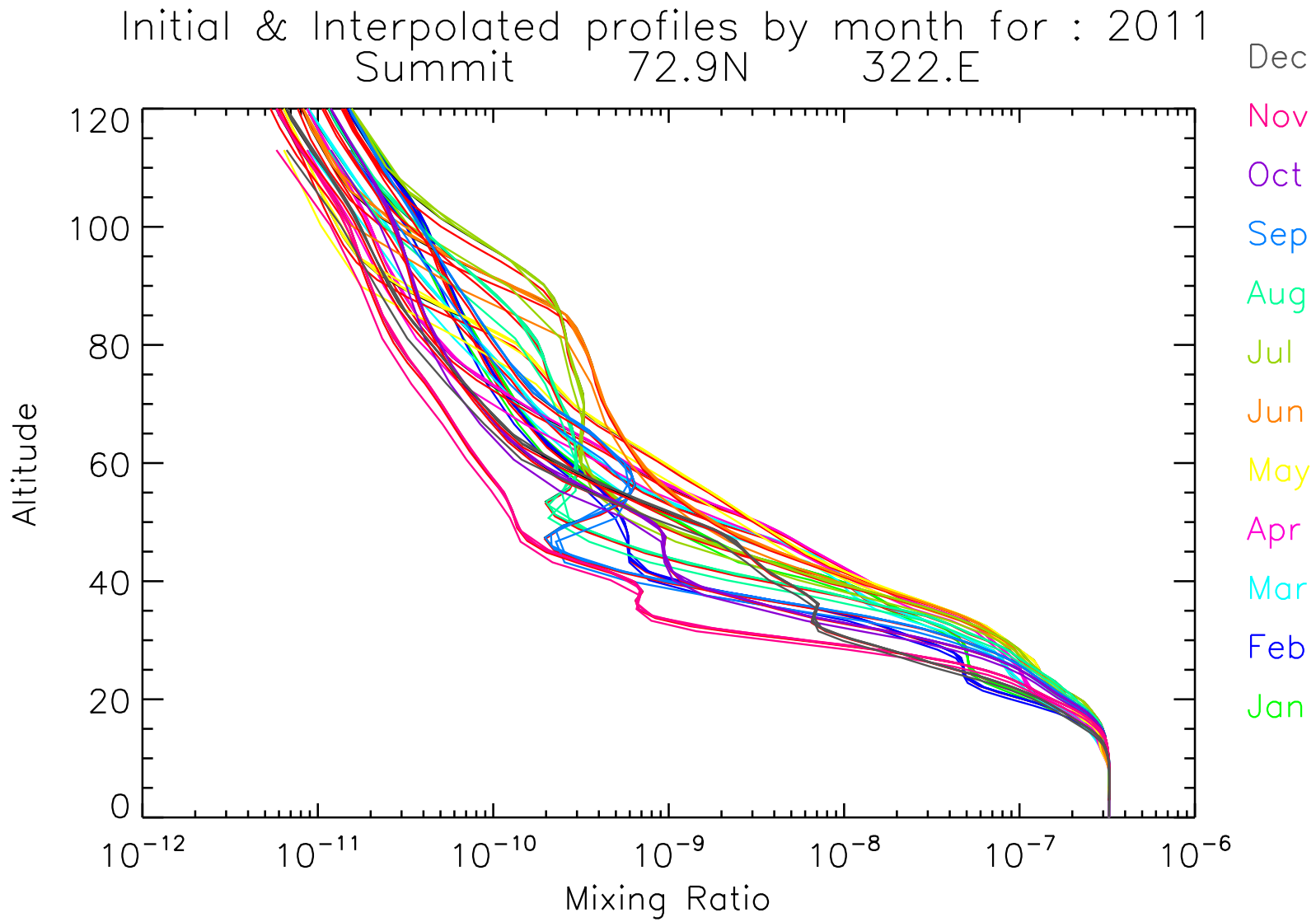
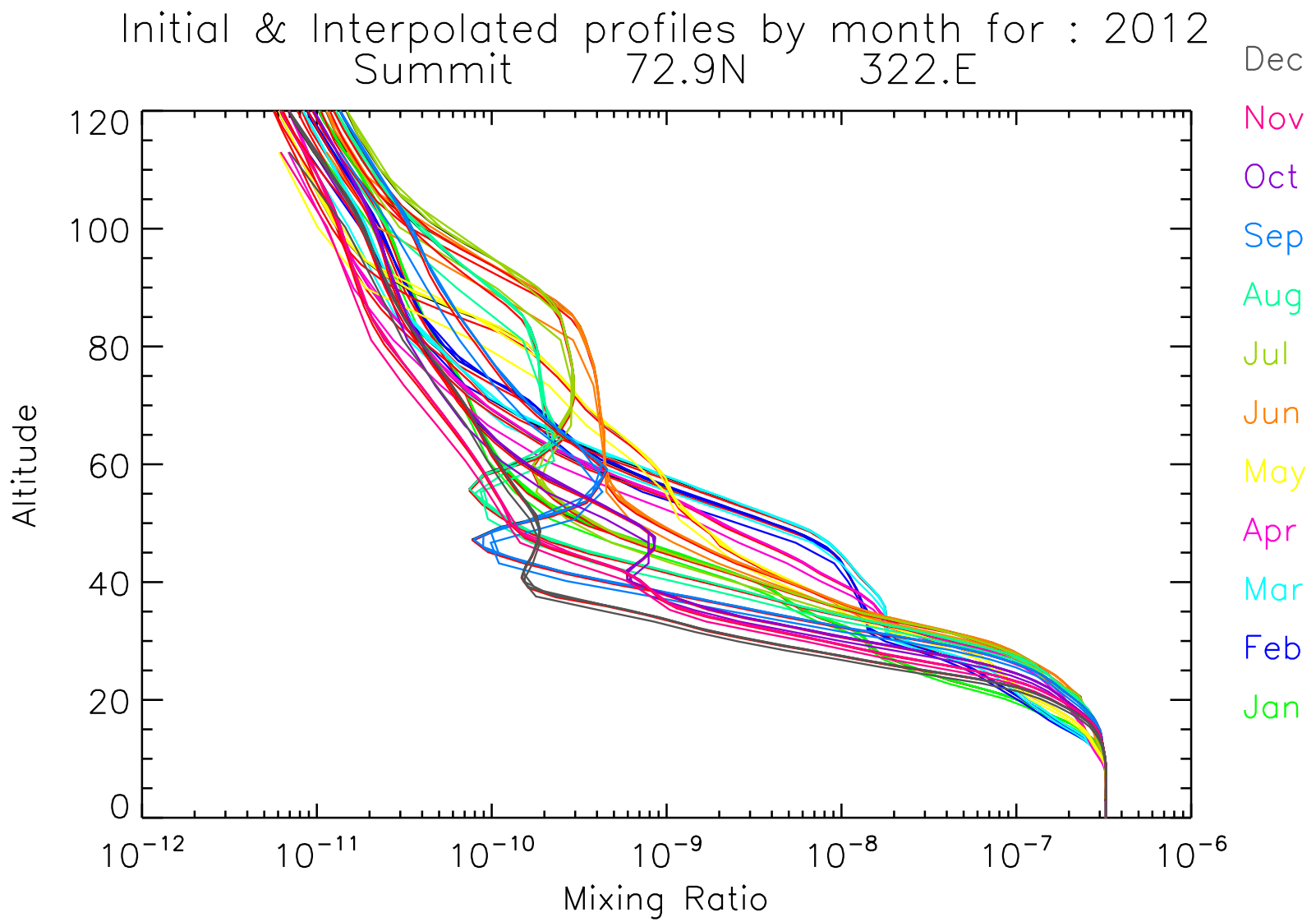
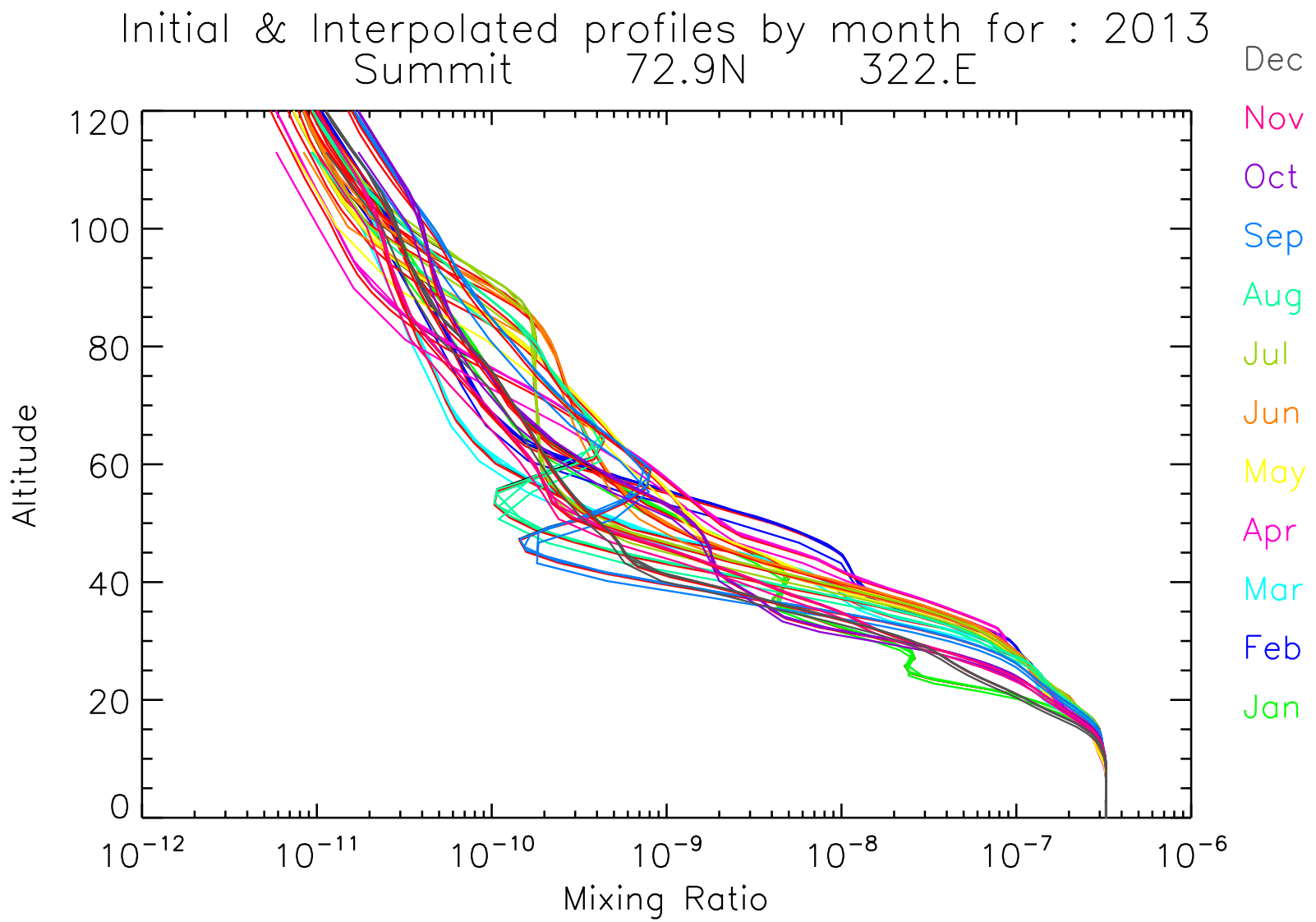
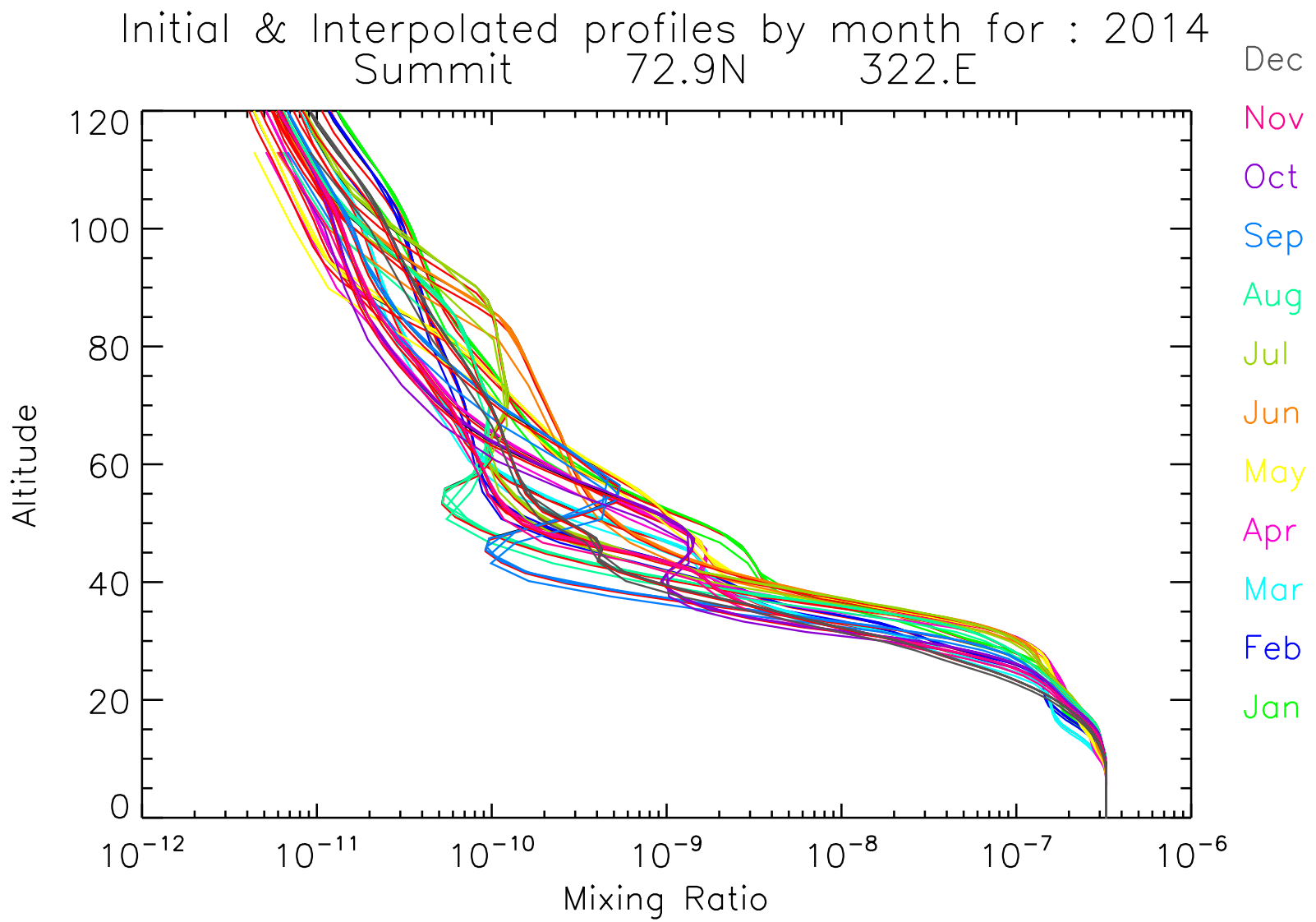

Initial & Interpolated profiles by month for : 2010
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2011
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2012
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2013
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2014
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
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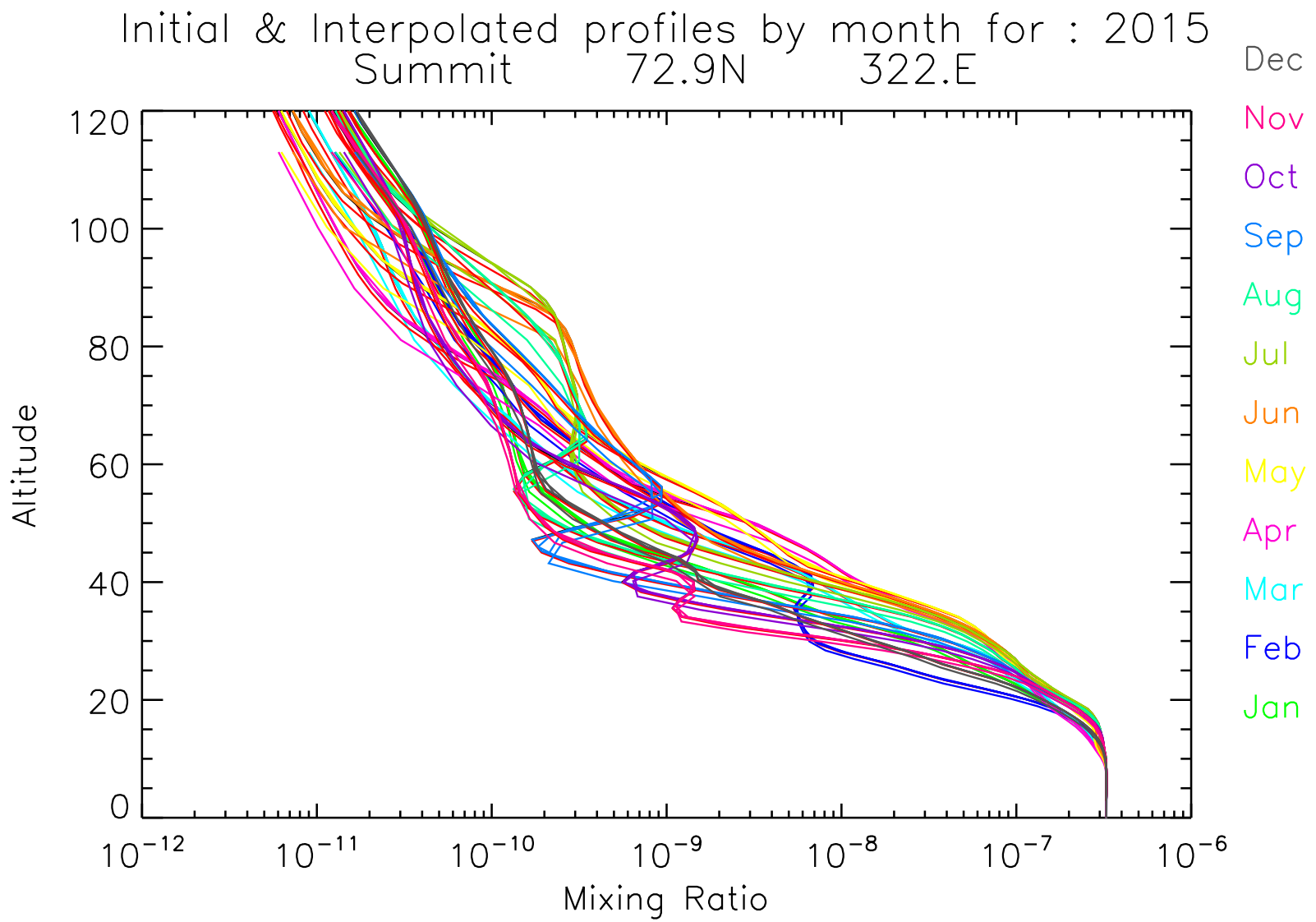
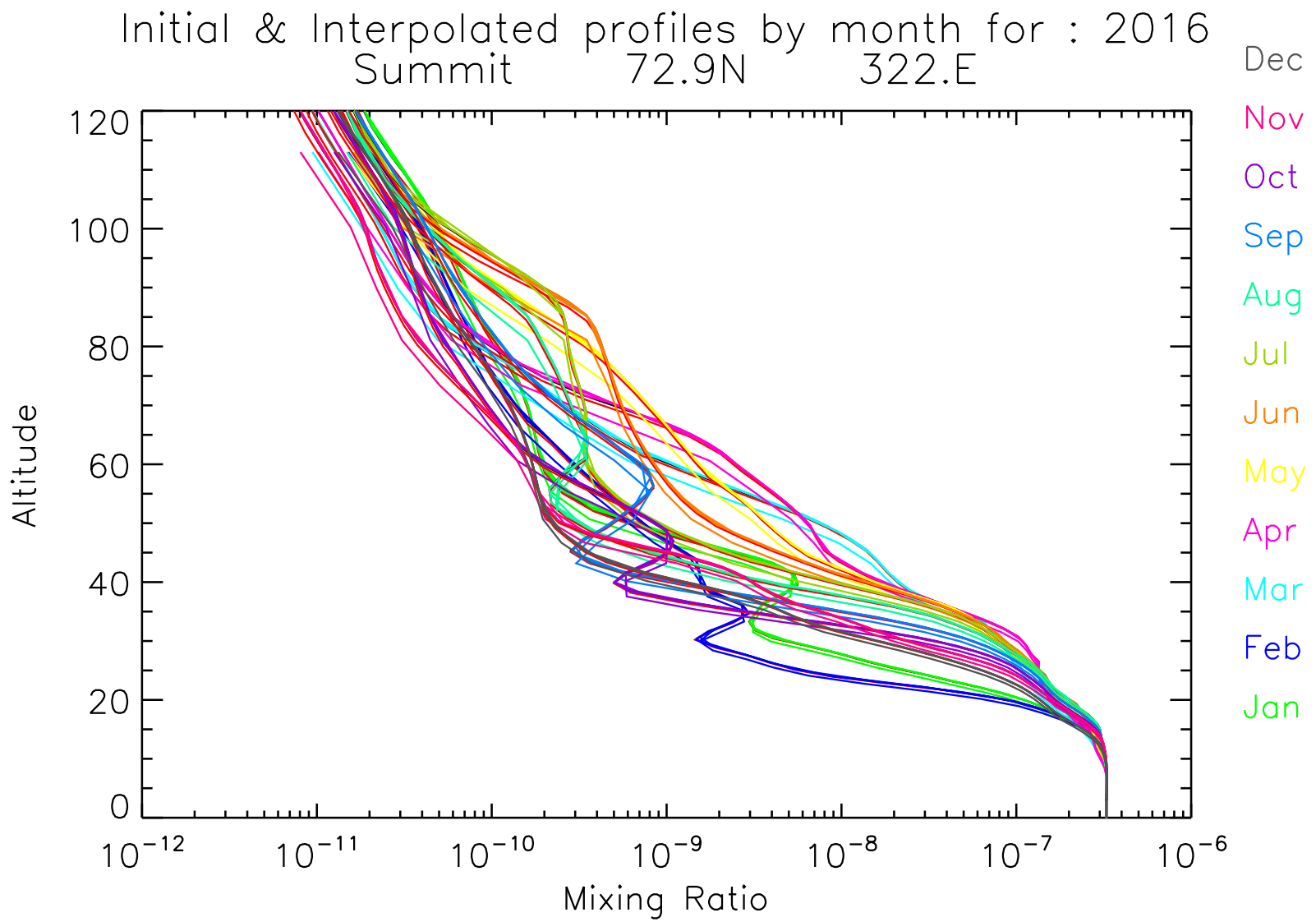
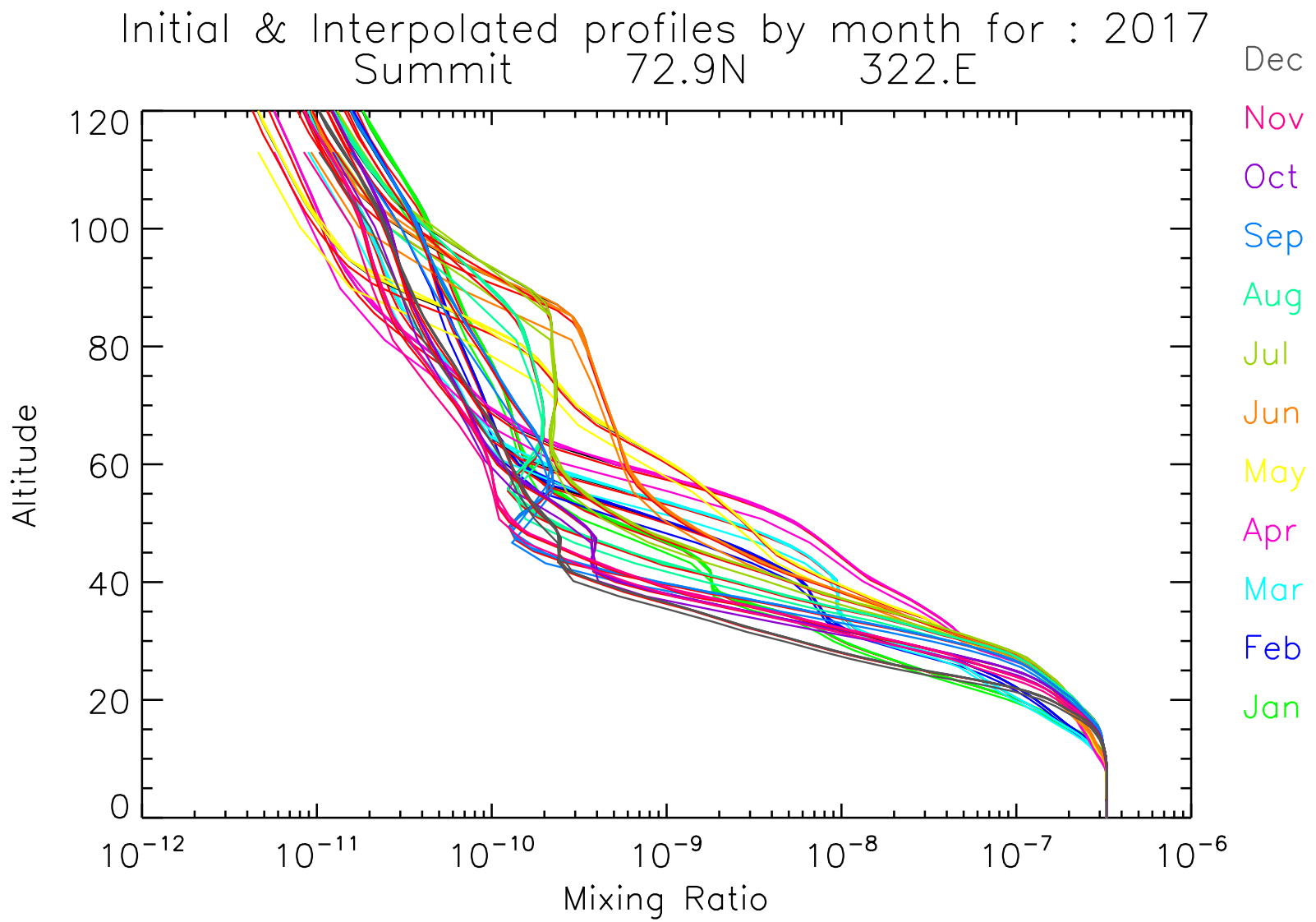
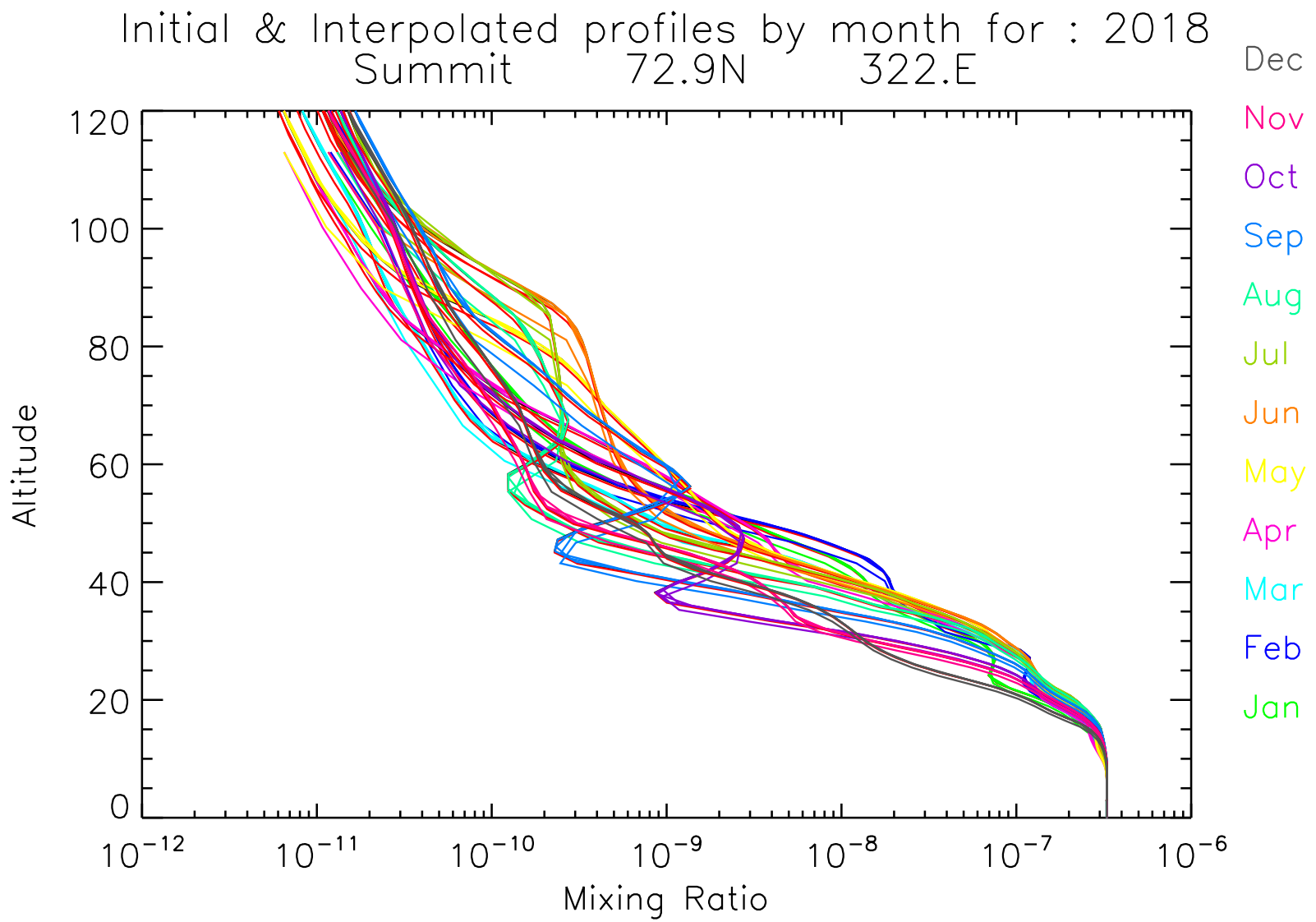
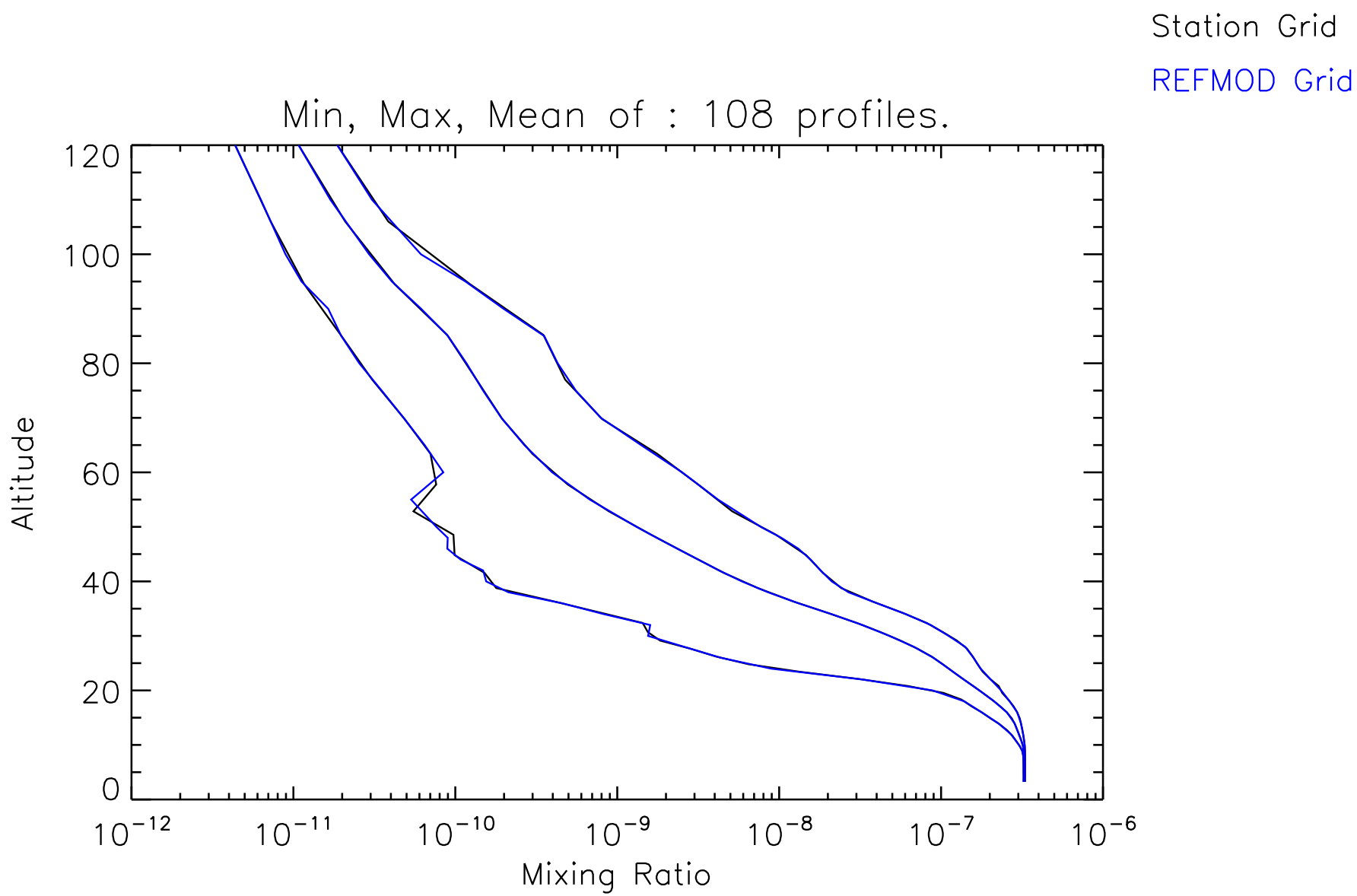
May
Apr
Mar
Feb
Jan

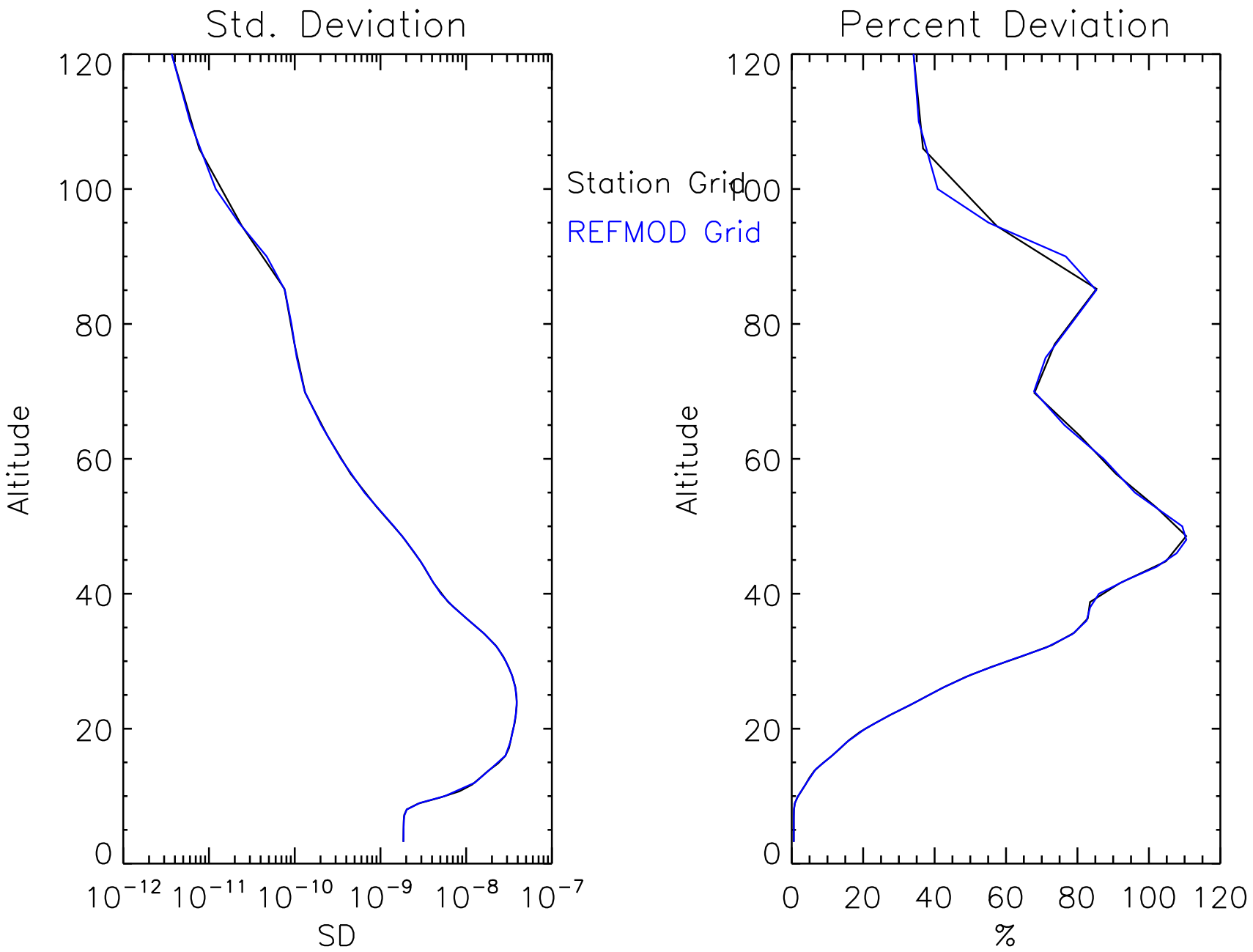

Initial & Interpolated profiles by month for : 2015
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

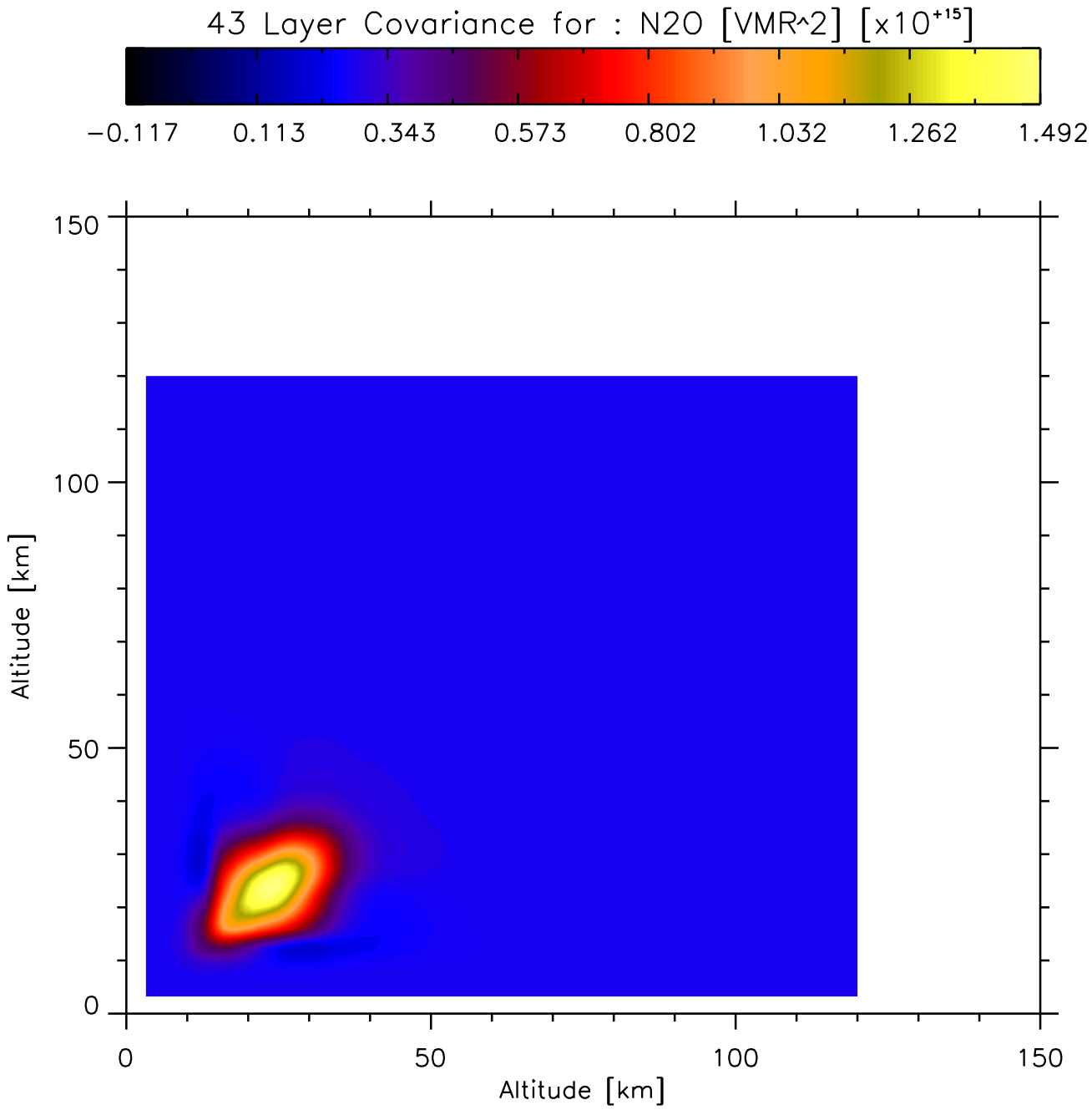

Initial & Interpolated profiles by month for : 2016
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Initial & Interpolated profiles by month for : 2017
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan

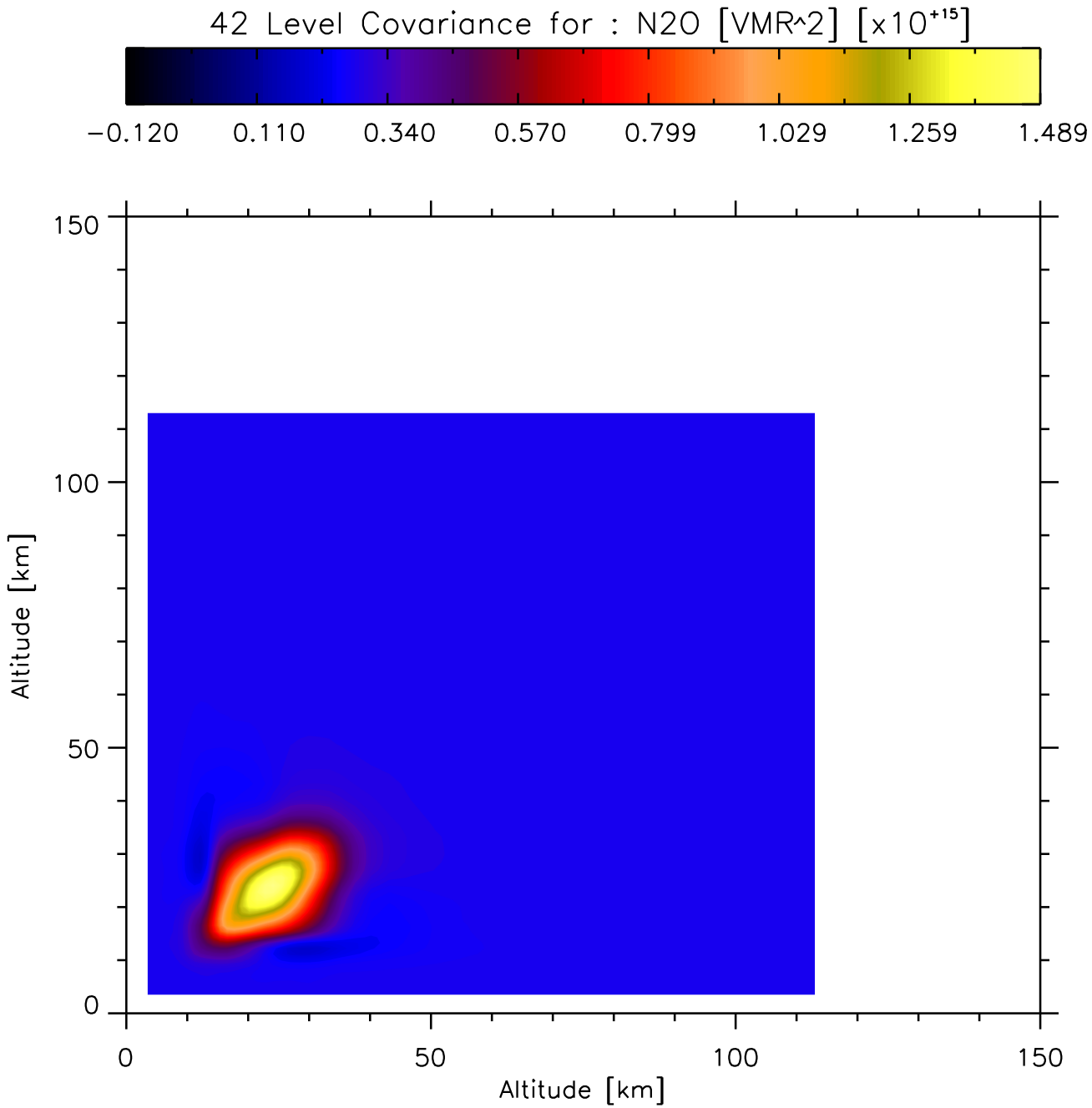

Initial & Interpolated profiles by month for : 2018
Summit 72.9N 322.E
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio
Dec
Nov
Oct
Sep
Aug
Jul
Jun
May
Apr
Mar
Feb
Jan


Station Grid
REFMOD Grid
Min, Max, Mean of : 108 profiles.
Altitude
120
100
80
60
40
20
0
10^{-12}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
Mixing Ratio


Std. Deviation
Percent Deviation
Station Grid
REFMOD Grid
Altitude
Altitude
120
100
80
60
40
20
0
10^{-12} 10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7}
SD
0 20 40 60 80 100 120
%


43 Layer Covariance for : N2O [VMR^2] [x10^+15]
−0.117
0.113
0.343
0.573
0.802
1.032
1.262
1.492
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

43 Layer Covariance for : N2O [VMR^2] [x10^+15]
0.0
0.5
1.0
1.5
2.0
Y Altitude
0
20
40
60
X Altitude
0
50
100
150


42 Level Covariance for : N2O [VMR^2] [x10^+15]
−0.120
0.110
0.340
0.570
0.799
1.029
1.259
1.489
150
100
50
0
Altitude [km]
0
50
100
150
Altitude [km]

42 Level Covariance for : N2O [VMR^2] [x10^15]
0.0
0.5
1.0
1.5
2.0
Y Altitude
0
30
60
90
X Altitude
0
50
100
150